

9/2003 09/782,500

The screenshot shows the JESSI software interface. At the top, there is a menu bar with 'File', 'Edit', 'New', 'Save', 'Look', 'Window', and 'Help'. Below the menu is a toolbar with icons for 'New', 'Save', 'Print', 'Copy', 'Paste', 'Find', 'Replace', 'Select All', 'Find Next', 'Find Previous', 'Find All', 'Find and Replace', 'Find and Replace All', and 'Find and Replace All in Selection'. The main area contains a table with the following data:

Line	Text
1:	"Pinlam WatcharinS".in.
2:	"Moogdaharn Chalor".in.
3:	"Bupperit Youthachais".in.
4:	13 not (11 or 12)

Below the table is a 'Search' toolbar with buttons for 'Search', 'Search Next', 'Search Previous', 'Search All', and 'Search and Replace'. To the right of the table are two sets of checkboxes: 'Exact' and 'Case Sensitive' under 'Search', and 'Exact' and 'Highlight all in term match' under 'Replace'. At the bottom of the interface are several status indicators: 'Drafts', 'Pending', 'Active', 'Failed', 'Saved', 'Favorites', 'Tagged (0)', 'UDC', 'Queue', and 'Trash'.

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EAST - Default EAST WorkSpace [Flat Panel LANDSCAPE] (wsp:1)

A screenshot of a software application window. The menu bar includes 'File', 'Edit', 'Tools', 'Window', and 'Help'. The toolbar contains icons for 'New', 'Edit', 'Tools', 'Window', 'Help', and several others. The main window has a header with 'Drafts', 'Pending', and 'Active' buttons, and a search bar with 'Drafts', 'Pending', 'Active', 'Search', and 'Clear' buttons. A sidebar on the left lists '15 and 12'. The main list area contains the following items:

- L1: (29379) ("134"). CLAS.
- L2: (45757) ("204"). CLAS.
- L3: (28965) ("205"). CLAS.
- L4: (87542) ("427"). CLAS.
- L5: (44256) ("118"). CLAS.
- L6: (3620) pressure nears (alarm or alarms)
- L7: (16) 16 and 11
- L8: (25) 16 and 12

Below the list are buttons for 'Failed', 'Saved', 'Favorites', 'Tagged (0)', 'UDC', 'Queue', and 'Trash'. The status bar at the bottom shows '15 and 12'.

U	I	P	P	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval C	Inventor	S	C	K	G
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10344902	2009-07-23	1	Method for preparing a poly(ether ether ketone) polymer	10344902	10344902	10344902	John C. C. Chen	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10344903	2009-07-23	1	Method for preparing a poly(ether ether ketone) polymer	10344903	10344903	10344903	John C. C. Chen	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10344904	2009-07-23	1	Method for preparing a poly(ether ether ketone) polymer	10344904	10344904	10344904	John C. C. Chen	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	10344905	2009-07-23	1	Method for preparing a poly(ether ether ketone) polymer	10344905	10344905	10344905	John C. C. Chen	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

automatically returned to its inoperative position by being pulled outward, in which case if a treatment cycle had been interrupted, that cycle will be resumed from where it was previously interrupted. However, if controller 127 determines that the "EMERGENCY STOP" switch 805 remains activated, system operation will not be terminated, but the system will not be reset. Next, all alarms (to be described in detail below) will be reset except for outlet pressure low alarm 160, high delta pressure alarm 161, 161', no pump flow alarm 164, 164', and valve failure alarm 163, 163'. Subsequently, if the "EMERGENCY STOP" switch 805 is deactivated, controller 127 will then resume the cycle of treatment operations interrupted as mentioned earlier.

Detailed Description Text - DENX (128):
Test Mode 1 provides for energizing the display 160, if used, for indicating "1" as explained, this alarm indicates that the filter F2 and TV-1 is low, meaning that the alarm is energized through a pressure signal PR2 changing state, such as for example, indicating a low outlet pressure first test mode are as follows:

Detailed Description Text - DEX (204):
 Note that as indicated above, alarms associated with liquid levels of tanks T1, T2, and T3, if used, are automatically reset upon restoration of the level of liquid in the associated tank. However, pressure alarms are reset by first inactivation, followed by activation of the EMERGENCY STOP switch SW4. Also, the pressure alarms can only be reset by placing the system in its inoperative state and servicing the valves located in the piping connections above

Claims Text - C1X (46): Said controller means being responsive to said first pressure signal, for generating a first alarm signal, and completing said first or second states of operation, if either is operative, and inhibiting further states of operation until the differential pressure is corrected; and

claims text - CITY (47):
first alarm means responsive
alarm indicative of the problem
corrective action.

claims Text - CMX (50):
said controller means being responsive to said second pressure signal for generating a second alarm signal, completing said first or second states of operation, if either is operative, and inhibiting further states of operation until proper pressure is restored;

Claims Text - CIRX (51):
A second alarm means responsive to said second alarm signal, for producing an alarm indicative of the undesirable reduction in outlet pressure.

U	J	1	PT	P	Document ID	Issue Date	Pages	Title	Current OR	Ref	Retrieval C	Inventor	S	C	V	8
1			<input type="checkbox"/>	<input type="checkbox"/>	US 201301366862	20130724	6	High volume electrolytic water treatment system and apparatus for maintaining a stable bath for an	205/751	204/276;		Herbst, Robert J.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2			<input type="checkbox"/>	<input type="checkbox"/>	US 5578199 A	19961126	20	Apparatus for maintaining a stable bath for an	210/96.1	205/755;			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3			<input type="checkbox"/>	<input type="checkbox"/>	US 5534276 A	19960910	20	Apparatus for maintaining a stable bath for an	210/87	118/429;			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4			<input type="checkbox"/>	<input type="checkbox"/>	US 5333416 A	19950228	20	Apparatus for maintaining a stable bath for an	210/96.1	118/429;			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5			<input type="checkbox"/>	<input type="checkbox"/>	US 5069759 A	19911203	8	Pressure switch	205/73	204/481;			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6			<input type="checkbox"/>	<input type="checkbox"/>	US 4207146 A	19800610	10	Process for testing gases in body fluids for partial	205/782.5	137/2;			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7			<input type="checkbox"/>	<input type="checkbox"/>	US 3903017 A	19760928	15	Recovery of metal values from manganese deep sea	205/580	204/406;			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8			<input type="checkbox"/>	<input type="checkbox"/>	US 3857762 A	19741231	7	CONTINUOUS ANALYSIS FOR COPPER CONCENTRATION	205/789.5	205/589;			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
										433/139;			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
										436/151;			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
										436/80			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

9/2003 09/782,500

EAST - [Default EAST Workspace (Flat Panel LANDSCAPE)].wsp:1

EAST - [Default EAST Workspace (Flat Panel LANDSCAPE)]

Pending	
Active	
L1:	(29379) ("134") .CLAS.
L2:	(45757) ("204") .CLAS.
L3:	(28965) ("205") .CLAS.
L4:	(87542) ("427") .CLAS.
L5:	(44256) ("118") .CLAS.
L6:	(3620) pressure near5 (alarm or alarms)
L7:	(16) 16 and 11
L8:	(25) 16 and 12
L9:	(6) 16 and 13
L10:	(13) 16 and 14
L11:	(30) 16 and 15
L12:	(16) 111 not (17 or 18 or 19 or 110)
L13:	(5048) pressure near10 (alarm or alarms)
L14:	(31) 113 and 11
L15:	(34) 113 and 12
L16:	(8) 113 and 13
L17:	(16) 113 and 14
L18:	(41) 113 and 15
L19:	(108) 114 or 115 or 116 or 117 or 118
L20:	(35) 119 not (17 or 18 or 19 or 110 or 111)
L21:	(293690) wash or washes or washes or washing
L22:	(124718) rinse or rinses or rinsed or rinsing
L23:	(433109) clean or cleans or cleaned or cleaning
L24:	(1406152) pressure
L25:	(95205) alarm or alarms
L27:	(10472) 124 same 125
L28:	(49) 127 same 121
L29:	(42) 127 same 122
L31:	(88) 128 or 129

Failed
 Saved

U	P	Document ID	Issue Date	Pages	Title	Current OR	Retrieval C	Inventory	S	C	G	L
<input checked="" type="checkbox"/>												

Print Detail HTA
 Help Index Search Start
 New Open Close Delete Copy Paste Undo Redo Find Find Next Find Previous Find All Find and Replace Find and Replace Next Find and Replace Previous Find and Replace All Find and Replace All Next Find and Replace All Previous Find and Replace All All Find and Replace All All Next Find and Replace All All Previous Find and Replace All All All Find and Replace All All All Next Find and Replace All All All Previous Find and Replace All All All All Find and Replace All All All All Next Find and Replace All All All All Previous Find and Replace All All All All All Find and Replace All All All All All Next Find and Replace All All All All All Previous Find and Replace All All All All All All Find and Replace All All All All All All Next Find and Replace All All All All All All Previous Find and Replace All All All All All All All Find and Replace All All All All All All All Next Find and Replace All All All All All All All Previous Find and Replace All All All All All All All All Find and Replace All All All All All All All All All

EAST - Default EAST Workstation (Flat Panel LANDSCAPE) wsp.1																																					
File		View		Edit		Tools		Window		Help																											
<input type="checkbox"/> Pending		<input type="checkbox"/> Active		<input type="checkbox"/> Pending		<input type="checkbox"/> Active		<input type="checkbox"/> Current		<input type="checkbox"/> Previous																											
<table border="1"> <tr> <td colspan="2"><input type="checkbox"/> Active</td> <td colspan="2"><input type="checkbox"/> Pending</td> <td colspan="2"><input type="checkbox"/> Pending</td> <td colspan="2"><input type="checkbox"/> Active</td> <td colspan="2"><input type="checkbox"/> Current</td> <td colspan="2"><input type="checkbox"/> Previous</td> </tr> <tr> <td colspan="2"> <input type="checkbox"/> L1: (29379) ("134"). CLAS. <input type="checkbox"/> L2: (4557) ("204"). CLAS. <input type="checkbox"/> L3: (28965) ("205"). CLAS. <input type="checkbox"/> L4: (87542) ("427"). CLAS. <input type="checkbox"/> L5: (44256) ("118"). CLAS. <input type="checkbox"/> L6: (3620) pressure nears (alarm or alarms) <input type="checkbox"/> L7: (16) 16 and 11 <input type="checkbox"/> L8: (25) 16 and 12 <input type="checkbox"/> L9: (8) 16 and 13 <input type="checkbox"/> L10: (13) 16 and 14 <input type="checkbox"/> L11: (30) 16 and 15 <input type="checkbox"/> L12: (16) 111 not (17 or 18 or 19 or 110) <input type="checkbox"/> L13: (5048) pressure near10 (alarm or alarms) <input type="checkbox"/> L14: (31) 113 and 11 <input type="checkbox"/> L15: (34) 113 and 12 <input type="checkbox"/> L16: (8) 113 and 13 <input type="checkbox"/> L17: (16) 113 and 14 <input type="checkbox"/> L18: (41) 113 and 15 <input type="checkbox"/> L19: (108) 114 or 115 or 116 or 117 or 118 <input type="checkbox"/> L20: (35) 119 not (17 or 18 or 19 or 110 or 111) <input type="checkbox"/> L21: (293690) wash or washes or washes or washing <input type="checkbox"/> L22: (1124718) rinse or rinses or rinsed or rinsing <input type="checkbox"/> L23: (433109) clean or cleans or cleaned or cleaning <input type="checkbox"/> L24: (1406152) pressure <input type="checkbox"/> L25: (89205) alarm or alarms <input type="checkbox"/> L27: (110472) 124 same 125 <input type="checkbox"/> L28: (49) 127 same 121 <input type="checkbox"/> L29: (42) 127 same 122 <input type="checkbox"/> L31: (88) 128 or 129 <input type="checkbox"/> L32: (2616) 127 same 123 </td> </tr> <tr> <td colspan="2"><input type="checkbox"/> L33: (41) 132 and 111 or 12 or 13 or 14 or 15)</td> <td colspan="2"><input type="checkbox"/> L34: (41) 132 and 111 or 12 or 13 or 14 or 15)</td> <td colspan="2"><input type="checkbox"/> L35: (41) 132 and 111 or 12 or 13 or 14 or 15)</td> <td colspan="2"><input type="checkbox"/> L36: (41) 132 and 111 or 12 or 13 or 14 or 15)</td> <td colspan="2"><input type="checkbox"/> L37: (41) 132 and 111 or 12 or 13 or 14 or 15)</td> <td colspan="2"><input type="checkbox"/> L38: (41) 132 and 111 or 12 or 13 or 14 or 15)</td> </tr> </table>												<input type="checkbox"/> Active		<input type="checkbox"/> Pending		<input type="checkbox"/> Pending		<input type="checkbox"/> Active		<input type="checkbox"/> Current		<input type="checkbox"/> Previous		<input type="checkbox"/> L1: (29379) ("134"). CLAS. <input type="checkbox"/> L2: (4557) ("204"). CLAS. <input type="checkbox"/> L3: (28965) ("205"). CLAS. <input type="checkbox"/> L4: (87542) ("427"). CLAS. <input type="checkbox"/> L5: (44256) ("118"). CLAS. <input type="checkbox"/> L6: (3620) pressure nears (alarm or alarms) <input type="checkbox"/> L7: (16) 16 and 11 <input type="checkbox"/> L8: (25) 16 and 12 <input type="checkbox"/> L9: (8) 16 and 13 <input type="checkbox"/> L10: (13) 16 and 14 <input type="checkbox"/> L11: (30) 16 and 15 <input type="checkbox"/> L12: (16) 111 not (17 or 18 or 19 or 110) <input type="checkbox"/> L13: (5048) pressure near10 (alarm or alarms) <input type="checkbox"/> L14: (31) 113 and 11 <input type="checkbox"/> L15: (34) 113 and 12 <input type="checkbox"/> L16: (8) 113 and 13 <input type="checkbox"/> L17: (16) 113 and 14 <input type="checkbox"/> L18: (41) 113 and 15 <input type="checkbox"/> L19: (108) 114 or 115 or 116 or 117 or 118 <input type="checkbox"/> L20: (35) 119 not (17 or 18 or 19 or 110 or 111) <input type="checkbox"/> L21: (293690) wash or washes or washes or washing <input type="checkbox"/> L22: (1124718) rinse or rinses or rinsed or rinsing <input type="checkbox"/> L23: (433109) clean or cleans or cleaned or cleaning <input type="checkbox"/> L24: (1406152) pressure <input type="checkbox"/> L25: (89205) alarm or alarms <input type="checkbox"/> L27: (110472) 124 same 125 <input type="checkbox"/> L28: (49) 127 same 121 <input type="checkbox"/> L29: (42) 127 same 122 <input type="checkbox"/> L31: (88) 128 or 129 <input type="checkbox"/> L32: (2616) 127 same 123 		<input type="checkbox"/> L33: (41) 132 and 111 or 12 or 13 or 14 or 15)		<input type="checkbox"/> L34: (41) 132 and 111 or 12 or 13 or 14 or 15)		<input type="checkbox"/> L35: (41) 132 and 111 or 12 or 13 or 14 or 15)		<input type="checkbox"/> L36: (41) 132 and 111 or 12 or 13 or 14 or 15)		<input type="checkbox"/> L37: (41) 132 and 111 or 12 or 13 or 14 or 15)		<input type="checkbox"/> L38: (41) 132 and 111 or 12 or 13 or 14 or 15)	
<input type="checkbox"/> Active		<input type="checkbox"/> Pending		<input type="checkbox"/> Pending		<input type="checkbox"/> Active		<input type="checkbox"/> Current		<input type="checkbox"/> Previous																											
<input type="checkbox"/> L1: (29379) ("134"). CLAS. <input type="checkbox"/> L2: (4557) ("204"). CLAS. <input type="checkbox"/> L3: (28965) ("205"). CLAS. <input type="checkbox"/> L4: (87542) ("427"). CLAS. <input type="checkbox"/> L5: (44256) ("118"). CLAS. <input type="checkbox"/> L6: (3620) pressure nears (alarm or alarms) <input type="checkbox"/> L7: (16) 16 and 11 <input type="checkbox"/> L8: (25) 16 and 12 <input type="checkbox"/> L9: (8) 16 and 13 <input type="checkbox"/> L10: (13) 16 and 14 <input type="checkbox"/> L11: (30) 16 and 15 <input type="checkbox"/> L12: (16) 111 not (17 or 18 or 19 or 110) <input type="checkbox"/> L13: (5048) pressure near10 (alarm or alarms) <input type="checkbox"/> L14: (31) 113 and 11 <input type="checkbox"/> L15: (34) 113 and 12 <input type="checkbox"/> L16: (8) 113 and 13 <input type="checkbox"/> L17: (16) 113 and 14 <input type="checkbox"/> L18: (41) 113 and 15 <input type="checkbox"/> L19: (108) 114 or 115 or 116 or 117 or 118 <input type="checkbox"/> L20: (35) 119 not (17 or 18 or 19 or 110 or 111) <input type="checkbox"/> L21: (293690) wash or washes or washes or washing <input type="checkbox"/> L22: (1124718) rinse or rinses or rinsed or rinsing <input type="checkbox"/> L23: (433109) clean or cleans or cleaned or cleaning <input type="checkbox"/> L24: (1406152) pressure <input type="checkbox"/> L25: (89205) alarm or alarms <input type="checkbox"/> L27: (110472) 124 same 125 <input type="checkbox"/> L28: (49) 127 same 121 <input type="checkbox"/> L29: (42) 127 same 122 <input type="checkbox"/> L31: (88) 128 or 129 <input type="checkbox"/> L32: (2616) 127 same 123 																																					
<input type="checkbox"/> L33: (41) 132 and 111 or 12 or 13 or 14 or 15)		<input type="checkbox"/> L34: (41) 132 and 111 or 12 or 13 or 14 or 15)		<input type="checkbox"/> L35: (41) 132 and 111 or 12 or 13 or 14 or 15)		<input type="checkbox"/> L36: (41) 132 and 111 or 12 or 13 or 14 or 15)		<input type="checkbox"/> L37: (41) 132 and 111 or 12 or 13 or 14 or 15)		<input type="checkbox"/> L38: (41) 132 and 111 or 12 or 13 or 14 or 15)																											

| | U | I | PT | P | Document ID | Issue Date | pages | Title | Current OR | Current Ref | Retrieval C | Inventor | |--------------------------------|------------------------------|----------------------------|----------------------------|------------------------------|--------------------------------|-------------------------------|--------------------------------|----------------------------------|------------------------------|--------------------------------------|-----------------------------------| | <input type="checkbox"/> Start | <input type="checkbox"/> End | <input type="checkbox"/> S | <input type="checkbox"/> N | <input type="checkbox"/> Doc | <input type="checkbox"/> Epoch | <input type="checkbox"/> Date | <input type="checkbox"/> Title | <input type="checkbox"/> Current | <input type="checkbox"/> Ref | <input type="checkbox"/> Retrieval C | <input type="checkbox"/> Inventor | | | | | | | | | | | | |
| | | | | | | | | | | | | | |---------------------------------|---------------------------------|--|--------------------------------|--------------------------------|--|-------------------------------|--|-------------------------------|--|-------------------------------|--| | <input type="checkbox"/> Browse | <input type="checkbox"/> Search | <input type="checkbox"/> Delete | <input type="checkbox"/> Clear | <input type="checkbox"/> Print | <input type="checkbox"/> Find | <input type="checkbox"/> Find | <input type="checkbox"/> Find | <input type="checkbox"/> Find | <input type="checkbox"/> Find | <input type="checkbox"/> Find | <input type="checkbox"/> Find | | <input type="checkbox"/> DB: | USPA-US-65PUB | <input type="checkbox"/> Default operator: | OR | <input type="checkbox"/> Bulk | <input type="checkbox"/> Highlight terms | <input type="checkbox"/> Bulk | <input type="checkbox"/> Highlight terms | <input type="checkbox"/> Bulk | <input type="checkbox"/> Highlight terms | <input type="checkbox"/> Bulk | <input type="checkbox"/> Highlight terms | | | | | | | | | | | | |

File Edit View Edit Window Help

Drafts Banding Active L1: (29056) ("134").CLAS. L2: (29056) ("134").CLAS. L3: (1623) pressure near2 alarm L4: (7) 12 and 13 L5: (3536) pressure near5 (alarm or alarms) L6: (16) 12 and 15 L7: (9) 16 not 14 L8: (59) (water adj) pressure) near5 (alarm or alarms) L9: (0) 12 and 18 L10: (45195) ("204").CLAS. L11: (28661) ("205").CLAS. L12: (86402) ("427").CLAS. L13: (43807) ("118").CLAS. L14: (2) 110 and 18 L15: (0) 111 and 18 L16: (0) 112 and 18 L17: (0) 113 and 18 L18: (2) 114 or 115 or 116 or 117 L19: (122084) solder or solders or soldered or soldering L20: (5) 118 and 119

Failed Saved Favorites Printed (0)

Search List Browse Queue New Drafts Default operator OR USA: US-PGPUB Flash Highlight items only

18 and 119

U	P	T	D	Document ID	Issue Date	Pages	Title	Current Xref	Retrieval C	Inventor
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 200200892361	20020711	35	Controller system for pool and/or spa	307/149		Cline, David J. et al.
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 20020070611	20020613		Controller system for pool and/or spa	307/149		Cline, David J. et al.
3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 6404469 B1	20020618		Controller system for pool and/or spa	307/11	307/147; 307/42	Cline, David J. et al.
4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 5199639 A	19930406		Shower with a micromotor	239/11	239/282; 239/394;	Kobayashi, Hiroshi et al.
5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 4733772 A	19881108		Operated revolving shower sensor	368/11	73/754; 968/411;	Umemoto, Toshio et al.

Drafts
 Pending
 Active
 Favorites
 Tagged (0)
 UDC
 Queue
 Trash

L1: (29056) ("134").CLAS.
 L2: (29056) ("134").CLAS.
 L3: (1623) pressure near2 alarm
 L4: (7) 12 and 13
 L5: (3536) pressure near5 (alarm or alarms)
 L6: (16) 12 and 15
 L7: (9) 16 not 14

Failed
 Saved

Save
 Print
 View
 Edit
 Lock
 Window
 Help

Search
 Sort
 Rows
 Queue
 Clear

DB: US-PPUB
 Default Operator OR
 High Priority Items Only

	U	I	PT	P	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval C	Inventor	S	C	?	3	?
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 6106771 A	20000822	6	System and method for deccaling and disinfecting	422/14	134/166C; 134/26;		Fitton, Russell P.	<input type="checkbox"/>				
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 6017400 A	20000125		Method and system for cleaning a water basin floor	134/21	15/1.7; 210/169;		Clark, Andrew M. et al.	<input type="checkbox"/>				
3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 599739 A	19991130		Continuous washing system	422/31	134/108;		Lyon, Larry R.	<input type="checkbox"/>				
4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 5882426 A	19990316		Method of cleaning a substrate by scrubbing	134/6	134/111;		Yonemizu, Akira et al.	<input type="checkbox"/>				
5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 5845225 A	19981201		Microcomputer controlled engine cleaning system	701/102	123/198A; 134/169A;		Mosher, Frederick A.	<input type="checkbox"/>				
6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 5289837 A	19940301		Engine cleaning system	134/57R	134/111;		Betancourt, Eduardo	<input type="checkbox"/>				
7	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 46552368 A	19870324		Water filtration system	210/97	134/109; 134/111;		Ennis, G. Thomas et al.	<input type="checkbox"/>				
8	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 3936659 A	19760203		Electrically heated oven for high temperature cleaning	219/113	126/90A;		Mainord, Kenneth R.	<input type="checkbox"/>				
9	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 3895827 A	19750729		Dish machine monitoring of time, temperature,	134/110	134/119; 134/118;		Robinson, Norman R.	<input type="checkbox"/>				
										134/25, 2;							

119-PAT-NO: 3896827

DOCUMENT-IDENTIFIER: 119 3896827 A

TITLE: Dish machine monitoring of time, temperature alkalinity, and pressure parameters

RMIC

Detailed Description Text - DEX (20): While not shown in FIG. 2, the control box may conveniently contain means for determining the existence of flow pressure in the fill line to the washing machine. This may be accomplished conveniently by having a flexible plastic tubing from the fill line to a pressure switch located in the control box. A pressure switch designated M3218-4 manufactured by the Robbs Division of Stetson-Werner Corp. of Chicago, Illinois, has been found to be highly satisfactory for this purpose. The pressure switch may be electrically connected to the alarm system on the face of the control box as shown in FIG. 4. When the pressure switch senses the presence of water flowing in the fill line and the system is operating a light will be turned on on the front of the fill control box. Alternatively, the pressure switch may be located at the fill line itself, rather than in the control box, and electrically connected with the light on the face of the control box to indicate water flowing in the fill line. The pressure setting for activating the switch is variable between one-fourth to thirty pounds per square inch. I prefer to set the pressure for switch activation between one-half and three-fourths psi.

Detailed Description Text - DENTX (22): FIG. 3 is a cross section of mixing manifold 56 illustrated in FIG. 2. Additive-containing wash water from tank 28 (FIG. 1) is taken off through sample line 57 at the outlet from pump 26. Referring to FIG. 3, line 57 preferably has a filter 101 to remove large particles from the sample water entering mixing manifold 56. Pressure switch 102 senses, through plastic line 103, the presence of water flowing in line 57. When water stops flowing line 57 or a low pressure condition occurs while pump 26 is running, pressure switch 102 activates an alarm system. The alarm system consists of a large switch 104 of the control panel (FIG. 4) as well as a bell immediate

attention to the operator that water is not being pumped by pump 26. Lack of pressure in line 57 indicates that there is no water in tank 28 or that excessive foam in tank 28 is such that pump 26 is unable to maintain the water pressure required for efficient operation of the dishwashing machine. Pressure switch 102 is electrically connected through wires 106 and 107 to the bell and light alarm system. The alarm does not sound when the machine is turned off, but only when the wash cycle is operating in station 16. Sample water in line 57 enters mixing manifold 56 through fitting 108 into port 109 and into chamber 111. In chamber 111, the sample water is tested for temperature and alkalinity. Thermocouple 59 functions to measure the temperature and switch on a signal light when the temperature of sample water falls below a predetermined level. Conveniently, that level is 150-degree. F. The probe 112 of the thermostat 59 also functions as the anode for determining alkalinity. Probe 112 is connected by wire 61 to a sensitivity circuit previously described. The electrode 64 extends into chamber 111 through fitting 113. Electrode 64 is connected to a sensitivity circuit through wire 63 in order to measure

[21] Appl. No. 399,963	Surcon	
[52] U.S. Cl.	134/101; 134/18; 134/25 A; 134/56 D; 417/477	[57] ABSTRACT
[51] Int. Cl.	80Bb 3/10	A dishwasher control system for automatically recording the duration of machine operation to determine cost of supplies, service and use. Machine operation is commenced by sensing the pressure of dishes and stopped automatically at the end of the cycle. During operation, the wash water is continuously sampled and checked for low temperature, low detergent and low pressure.
[58] Field of Search	134/18; 10-25 A; 25 R; 134/29, 30, 32, 57 D; 58 D; 72, 56 D; 48; 417/474, 477; 58/145 R	
[56]	References Cited	UNITED STATES PATENTS

3,12,22,23 2/1994 Meekar et al. 134/48 X Figures 133 (Continued)

US-PAT-NO:	6274009
DOCUMENT-IDENTIFIER:	US 6274009 B1

(12) United States Patent	(10) Patent No.:	US 6,274,009 B1
	(45) Date of Patent:	Aug. 14, 2001

DOCUMENT-IDENTIFIER: US 6274009 B1
* See image for Certificate of Correction*

TITLE: Generator for generating chlorine dioxide under vacuum

eduction in a single pass

RWIC -----

Brief Summary Text - BRIEF (24):

FIG. 2 shows the input line (1) for the motive water feed. On/off valve (12) controls for the motive water feed. Pressure gauge (3) and pressure switch (4) monitoring the motive water pressure and provides an alarm signal for undesirable pressure conditions.

(4) to the electrical panel shown in FIG. 6. Solenoid (6) is connected to motive water line (1). Conduit line (7) runs from solenoid (6) to the electrical panel shown in FIG. 6. Union (8) joins the catholyte eductor (9) and anolyte eductor (10). Eductor (9) and (10) create sufficient vacuum to draw the catholyte and anolyte flows through the electrochemical cell. Inline check valves (11) and (12), respectively, prevent back flow through the catholyte and anolyte effluents are educted from the electrolytic cell through plastic tubings (13) and (14), respectively. The anolyte effluent tubing (14) progressively ascends, with no back looping or horizontal sections, to the inlet of anolyte eductor (10) so as to minimize the possible formation of gaseous pockets of chlorine dioxide. Such pockets are potentially explosive. Non-corrosive check valves (15) and (16), respectively, are present on the catholyte and anolyte tubings (13) and (14), respectively, to prevent back flow through the electrolytic cell and prevent inadvertent over hydraulic pressurization of the cell. Optional sample taps are typically located on the catholyte and anolyte discharge lines as illustrated.

Current US Class - CLASS (1):

204

1. A generator for generating chlorine dioxide under vacuum eduction in a single pass, comprising:

a. a motive water feed line (1) having an on/off valve (12) and a pressure gauge (3);

b. a pressure switch (4) connected to the motive water feed line (1);

c. a catholyte eductor (9) and anolyte eductor (10) connected to the motive water feed line (1);

d. a catholyte line (11) connected to the catholyte eductor (9);

e. anolyte line (12) connected to the anolyte eductor (10);

f. a catholyte line (13) connected to the catholyte line (11);

g. anolyte line (14) connected to the anolyte line (12);

h. a catholyte line (15) connected to the catholyte line (13);

i. anolyte line (16) connected to the anolyte line (14);

j. a catholyte line (17) connected to the catholyte line (15);

k. anolyte line (18) connected to the anolyte line (16);

l. a catholyte line (19) connected to the catholyte line (17);

m. anolyte line (20) connected to the anolyte line (18);

n. a catholyte line (21) connected to the catholyte line (19);

o. anolyte line (22) connected to the anolyte line (20);

p. a catholyte line (23) connected to the catholyte line (21);

q. anolyte line (24) connected to the anolyte line (22);

r. a catholyte line (25) connected to the catholyte line (23);

s. anolyte line (26) connected to the anolyte line (24);

t. a catholyte line (27) connected to the catholyte line (25);

u. anolyte line (28) connected to the anolyte line (26);

v. a catholyte line (29) connected to the catholyte line (27);

w. anolyte line (30) connected to the anolyte line (28);

x. a catholyte line (31) connected to the catholyte line (29);

y. anolyte line (32) connected to the anolyte line (30);

z. a catholyte line (33) connected to the catholyte line (31);

aa. anolyte line (34) connected to the anolyte line (32);

bb. a catholyte line (35) connected to the catholyte line (33);

cc. anolyte line (36) connected to the anolyte line (34);

dd. a catholyte line (37) connected to the catholyte line (35);

ee. anolyte line (38) connected to the anolyte line (36);

ff. a catholyte line (39) connected to the catholyte line (37);

gg. anolyte line (40) connected to the anolyte line (38);

hh. a catholyte line (41) connected to the catholyte line (39);

ii. anolyte line (42) connected to the anolyte line (40);

jj. a catholyte line (43) connected to the catholyte line (41);

kk. anolyte line (44) connected to the anolyte line (42);

Detailed Description Text - DETX (114):

In the absence of error codes as detected at 402, and if there is no data to be received at 401, the monitor subroutine 406 is executed. The monitor subroutine 406 detects fluid pressure conducted to the spray gun to generate various error codes and/or messages. Referring to FIG. 11, during the monitor subroutine, pressure downstream from the orifice 104 is sampled by the transducer 132 during the ON and OFF times over successive sampling periods comprised of a predetermined number, for example, 64 pressure samples. Assume that the desired, or acceptable static pressure, that is, the pressure from the fluid supply, either regulated or unregulated, when the flow control valve is closed and the gun is turned OFF, is 800 psi, and high and low static pressure selection limits are set at 835 psi and 765 psi, respectively. The static pressure is sampled during the gun OFF time, and high and low static pressure quality indicators are produced as will be subsequently described as a function of comparing the measured static pressure to the high and low static alarm limits. The monitor subroutine then counts the occurrences of the various static pressure quality indicators during the sampling period and produces fluid flow condition signals as a function of comparing the frequencies of occurrence of the static pressure quality indicator to predetermined reference values. Fluid flow condition data is also created by measuring the average static pressure during the sampling period and comparing it to the reference static pressure value.

Detailed Description Text - DTEX (115):
With reference to FIG. 11, during the spray gun 30 ON time, assume that the normal firing sequence starts when the orifice 104 is 50 mils and the

maximum lifting pressure drop across the orifice 104 is 30 psi and the static pressure is 800 psi. Therefore, the normal, or set firing pressure, that is, the pressure drop across the nozzle of the spray gun 30, will be 750 psi. High alarm ("HA"), high warning ("HW"), low warning ("LW") and low alarm ("LA") pressure limits, or pressure reference values, for the firing pressure may be set at 780 psi, 765 psi, 735 psi and 700 psi, respectively. Those limits will

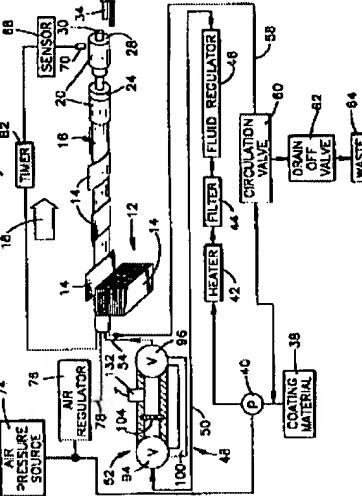
result in respective pressure drops across the orifice 104 of 20 psi, 35 psi, 65 psi and 100 psi. As will subsequently be explained, during an ON time sampling period, the monitor subroutine samples the fluid pressure of the monitoring material over continuously occurring sample periods. Each sample period includes sixty four samples, and the monitor control produces various firing pressure quality indicators as a function of comparing sampled fluid pressures to the firing pressure limits. For example, different types of firing pressure quality indicators are produced if the sampled firing pressure is either, in excess of the alarm limits, or between the warning and alarm limits, or between the warning limits. Each occurrence of the same type of firing pressure quality indicator during the sampling period is counted, and the frequency of occurrence of the low alarm, low warning, normal flow, high alarm, high warning and high firing pressure quality indicators are used to produce the various alarm and warning error codes to the operator. Error codes are also produced as a function of comparing the average pressure value measured over the sampling period to the various alarm and warning pressure limits. Some fluid flow condition signals represent alarm conditions which, by design, require immediate attention and are operative to provide immediate remedial action. Other fluid flow condition signals represent warning conditions which should be monitored but no immediate remedial action is required. The above pressure sampling process runs continuously during the ON and OFF times, regardless of the duration of the ON and OFF times.

United States Patent		[19]	[11]	Patent Number:	5,755,884
Buckler et al.		[45]	Date of Patent:	May 26, 1998	
[54]	COATING ASSEMBLY WITH PRESSURE SENSING TO DETERMINE NOZZLE CONDITION	4,846,013	12/21/1989	Tunner et al.	11,665,658
		4,932,232	5/19/90	Balbyas et al.	239,714
		5,286,035	2/19/94	Churchwell et al.	11,853,171
		5,312,040	5/19/94	Larson	239,124
		5,316,217	5/19/94	Guozhong et al.	239,711
		5,337,856	7/19/96	Kalbeck et al.	73,371
[75]	Inventors: Jeffrey M. Buckler, Brookfield, WI; Harold Pausch, Gauteng, South Africa; Daniel Pinard, Noisiel, France				FOREIGN PATENT DOCUMENTS

[21]	Appl. No.:	683,897
[22]	Filed:	Aug. 5, 1996
[23]	Continuation-in-Part of Ser. No. 662,351, Apr. 10, 1995, abandoned.	
Related U.S. Application Data		
[33]	U.S. Pat. Appl. Ser. No. 662,351, filed Apr. 10, 1995.	
[51]	Int. Cl. 6	BU5C 5/00
[52]	U.S. Cl.	118/317; 118/684; 118/685; 239/124
[53]	Field of Search	118/712; 239/651; 239/71; 239/124
[54]		118/684; 118/685;
[55]		118/317; 712; 137/595; 71/537; 709; 714; 861; 43; 239/68; 71; 74; 124; 127; 600
[56]		References Cited
U.S. PATENT DOCUMENTS		
662,351	1/191	Koide, <i>et al.</i>
662,351	10/851	Dowden, <i>et al.</i>
662,351	10/852	Watanabe, <i>et al.</i>
662,351	239/127	
662,351	239/129	
662,351	239/131	

Ref.	Author	Year	Journal	Page
1.16.111	W. L. J. B. Hoogendoorn	1971	Plant Pathology	118/685
3.77.292	J. B. Rood et al.	1971	Plant Pathology	118/685
3.81.544	J. B. Rood et al.	1974	Plant Pathology	118/685
3.92.1570	H. Hogstrom et al.	1975	Plant Pathology	118/685

3,965.075	11/1976	Cenozoik et al.	11/8317	
4,080.011	12/1979	Hakubi	11/8585	
4,353.326	10/1982	Hakubi	11/8317	
4,430.866	2/1984	Rood	73/37	
4,668.948	5/1987	Mered	23/971	



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Fin 10 hr. - plus diagram

Document ID	Pages	1	3	U	S	C	P	Kind	Corres.	Source
US 6274009 B1	19	□	□	□	□	□	□	USPAT		
US 6106771 A	6	□	□	□	□	□	□	USPAT		
US 5843225 A	18	□	□	□	□	□	□	USPAT		
US 5497797 A	14	□	□	□	□	□	□	USPAT		
US 530931 A	14	□	□	□	□	□	□	USPAT		
US 4963363 A	12	□	□	□	□	□	□	USPAT		
US 490398 A	21	□	□	□	□	□	□	USPAT		
US-PAF-NO:	4964363									

DOCUMENT-IDENTIFIER: US 4964363 A

TITLE: System of assembly and filling large cables in a single pass at a single station

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Detailed Description Text - DEV (11):

The operator then installs the splash guards 122, 124 and the front sheet metal doors 180 of the single pass filling tank are closed (FIG. 2). The three pump 108, 110, 112 are now switched to "Forward" with selector switches 126 and bell and light pressure alarms 182 are switched "on" with selector switches 184. The bell and light pressure alarms 182 are electrically interconnected with the pressure gauge 96, 98. One pressure gauge displays the pressure in the pressure chamber 40 and the other displays the pressure in the pressure tube 42. The pressure alarms 182 will remain activated until a minimum of 14 psi pressure is attained in the pressure chamber 40 and 26 psi pressure in the pressure tube 42. When the alarms 182 deactivate the operator knows that the proper minimum filling compound pressure has been attained in the pressure chamber 40 and pressure tube 42 and then will visually check to see that hot filling compound is flowing from the pressure relief valves 104 found at the top of the pressure chamber 40 (FIG. 6). The pressure relief valves 104 are set to open at 10 psi pressure and the filling compound flowing through them carries away the air that has been purged from the interstices of the unit cables 12 and replaced with hot filling compound under pressure. The interstices of the cables 12 are the spaces between the insulated conductors of the cables, that is, the spaces between the insulation diameters that have copper conductors at their cores.

Current US Class - CLAS (1):
118Current US Class - CLAS (3):
427

Patent Number:	4,964,363
Date of Patent:	Oct. 23, 1990

[54] SYSTEM OF ASSEMBLY AND FILLING LARGE CABLES IN A SINGLE PASS AT A SINGLE STATION

[75] Inventor: Purnima M. Patel, Rock Hill, S.C.; Bruce G. Kassimer, Waxhaw, N.C.

[73] Assignee: Laser Group, Inc., Fort Wayne, Ind.

[21] Appl. No.: 362,173

[22] Filed: Jun. 6, 1989

[51] Int. Cl.: B65C 3/02

[52] U.S. Cl.: 119/405; 156/48; 156/36; 156/148; 427/117; 427/120

[58] Field of Search: 156/48; 56, 148; 264/174; 427/117; 120; 118/405; 423/593

[56] Reflector: Chkd

U.S. PATENT DOCUMENTS

4,896,718 9/1987 Lange et al. 156/48

9 Claims, 7 Drawing Sheets

